

**NIH IRACDA for Baylor College of Medicine Post-doctoral Fellows
An Institutional Research Award for Career Development and Advancement
HEART (Houston Education And Research Training) Program
A partnership between Baylor College of Medicine and
Prairie View A & M University, St. Thomas University and the University of Houston, Downtown
Applicants must be US Citizens or Permanent US Residents**

We are delighted to announce the creation of a new partnership program that will team Post-doctoral Scholars from Baylor College of Medicine (BCM) with three Houston area minority serving institutions to train a cadre of scientists/educators who will develop and teach new undergraduate courses and advance biomedical research. The HEART (Houston Education And Research Training) Program IRACDA Scholars will introduce frontier-level technology into courses designed to prepare undergraduates to pursue graduate biomedical education. Your interest in the HEART IRACDA Program indicates that you understand the importance of science in today's world and that you want to participate in the scientific advances of the future and educating the next generation of scientists. We have gained incredible knowledge that leads us toward exciting biomedical questions, practical diagnostic tools and treatments to improve people's health. But we need scientists from every population in America to turn ideas into reality. Prairie View A & M University, the University of Houston, Downtown and St. Thomas University have made a commitment to enhance their curricula and advising for under-represented students and are enthusiastic partners in this project.

The HEART IRACDA Program provides Post-doctoral Scholars with NIH pay scale salary and benefits and a small research supply budget to work with a BCM faculty member of their choice for three years. The teaching component of the HEART IRACDA is expected to consume 25% of the Scholars' time over a three year period, with most of that time commitment coming in the third year of the program. Scholars will participate in workshops on skills scientists need (including a writing course), workshops on mentoring under-represented students and a 12-15 week course to prepare to use active learning styles in incorporating advanced technology into upper level undergraduate courses. During the second year of the program, Scholars will observe in a class at the campus on which they will teach and begin developing their courses. In the second to third year, Scholars will be granted adjunct faculty status at the campus(es) on which they teach, provided an office space and teach or co-teach one course per semester. Scholars and the teaching institution will receive a teaching/equipment budget to enhance their success. Scholars will mentor up to three undergraduates with an interest in Ph.D. study and advise them on their graduate applications. We expect that this combination of strategies will help Post-doctoral Scholars develop valuable skills and experience and help under-represented college students prepare to enter and succeed in biomedically related Ph.D. programs and biomedical research careers. We are very experienced at helping under-represented scientists develop their careers. Our SMART summer undergraduate research program includes 30% under-represented participants and has received high praise. The resources of an NIH IMSD helped us transform the environment at BCM for under-represented Ph.D. and MD/Ph.D. students. More than 90 under-represented students are now enrolled in our Ph.D. and MD/Ph.D. programs with an 80% retention rate. They have won more than 100 awards and fellowships. Our programs are cited as a model for the nation, but we feel that we can make even greater contributions by enhancing curricula at minority serving institutions, while also providing research and career building opportunities for Post-doctoral Scholars.

A complete application for the program includes: the HEART IRACDA Program Application, including the essays a CV; three letters of recommendation; transcripts from all colleges and universities attended. Applications will be accepted at any time, however, we hope to begin filling our five positions by August 22, 2008. Please contact Gayle Slaughter, Ph.D. (gayles@bcm.edu) if you are interested and cannot submit an application before then or if you are graduating between August and December, 2008 and

wish to be considered for this program. There will be 5 positions in the 2008-2009 program with 10 slots in 2009-2010 and 15 slots from 2010-2012. The start date will be in August, 2008 (exact date to be announced later).

Please contact me if you have questions. We are here to work with people who have the motivation, talent and commitment to continue their educational training. Together we can help you move toward the future you envision.

Sincerely,



Gayle R. Slaughter, Ph.D.
Director SMART, SMART PREP, IMSD, HEART programs
Assistant Dean of Graduate Education
Associate Professor of Molecular and Cellular Biology



Hiram Gilbert, Ph.D.
Sr. Assoc Dean for Academics and
Posts-doctoral Affairs
Professor of Biochemistry

**BCM/Prairie View A & M Univ. , Univ. of Houston Downtown, Univ. of St. Thomas
2008 HEART (Houston Education And Research Training) IRACDA Program Application
Submit all materials as soon as possible**

Personal Information

Name: _____
Last First Middle

Present Address: _____
Street Apt. No.

City State Zip Code

Permanent Address: _____
Street Apt. No.

City State Zip Code

Telephone: _____
Permanent Cell Temporary

email address: _____ Date of Birth: _____ Social Security No.: _____

Do you consider yourself a minority? ☐ Yes ☐ No If yes, which minority group? _____ Gender: F _____ M _____

List any limiting health or mental health conditions that should be considered for the purpose of accommodating working conditions:

Are you a U.S. citizen? _____ Are you a U.S. permanent resident? _____

HEART IRACDA Scholars must be U.S. citizens or permanent residents.

Are you a first generation college student? ☐ Yes ☐ No

Education - You must submit official transcripts from all colleges you have attended.

College from which you graduated: _____ City: _____ State: _____

Major: _____ Minor: _____ Cumulative GPA: _____ Year Graduated & Degree Earned: _____

Previous College: _____ City: _____ State: _____ Hrs. Completed: _____

Graduate School: _____ Field of study _____ Year Ph.D. was awarded _____

Graduate School for MS if applicable _____ Year MS was awarded _____

List any relevant scholarships, awards & honors (College then Graduate School): _____

You may submit transcripts from all colleges and universities you have attended, but must submit a transcript from your grad school.

Career Goals

On a separate page explain how participating in the HEART IRACDA program will help you reach your career goal(s) (one page limit).

Letters of Recommendation

Note: Three letters of recommendation are required. One letter should be from your BCM post-doc mentor or potential BCM post-doc mentor indicating your preparation for this program and the mentor's willingness to allow you to participate fully in the HEART IRACDA program. You may apply if you have not chosen a mentor.

Reference 1:

Name	University		
Department	Address		
City	State	Zip	Telephone

Reference 2:

Name	University		
Department	Address		
City	State	Zip	Telephone

Reference 3:

Name	University		
Department	Address		
City	State	Zip	Telephone

Research and Training Experience

On a separate sheet of paper describe previous research experience, including your dissertation and your proposed post-doc project, if known (not more than two pages). Please submit a CV, including all publications and their stage of acceptance.

Personal History

Please submit a one page essay describing outreach activities or ways in which you have contributed to the diversity of science. You may include information regarding obstacles you have overcome in life or to gain an education.

Certification

"I certify that the information submitted in this application is complete and correct to the best of my knowledge."

Signature

Date

Letter of Recommendation HEART IRACDA Post-doctoral Program

Applicant Evaluation Form

Applicant's Full Name: _____

Applicant's Social Security Number: _____

College /University/Graduate School: _____

Faculty Evaluator: _____ Phone: _____

Faculty Evaluator's Signature: _____

How long have you known the applicant? _____

In what capacity? _____

Please rate the applicant in all categories with which you feel qualified to assess characteristics relative to other students at the same academic classification with whom you have had contact. Place an (X) in the field that best describes the applicant's characteristic.

Characteristic	Outstanding	Excellent	Good	Average	Below Average
Desire to learn and curiosity					
Creativity					
Work ethic and perseverance					
Ability to design and conduct projects					
Ability to adapt to new situations					
Interpersonal skills					
Teaching ability					
Effectiveness at outreach					
Analytical problem solving skills					

Please include a letter of recommendation that provides any information you feel would be helpful in assessing the applicant's placement in the HEART IRACDA, including obstacles the applicant has overcome. Return this form with the letter of recommendation to:

**HEART IRACDA Program
Gayle Slaughter, Ph.D.
Baylor College of Medicine
One Baylor Plaza, N204K
MS: BCM-215
Houston, TX 77030**